

Figure 1

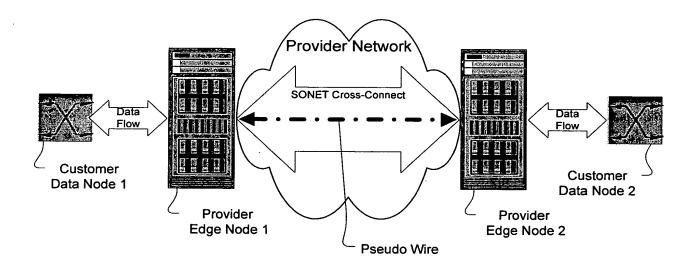
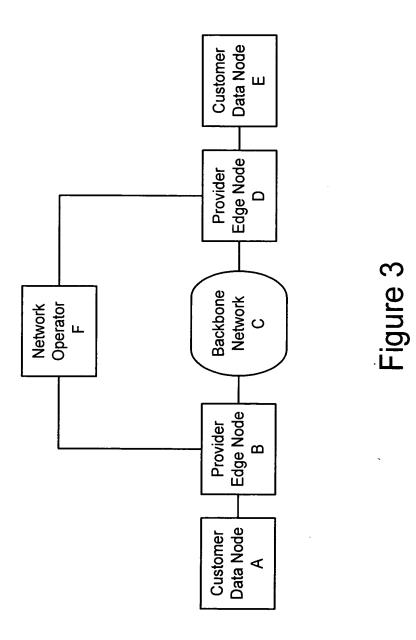


Figure 2



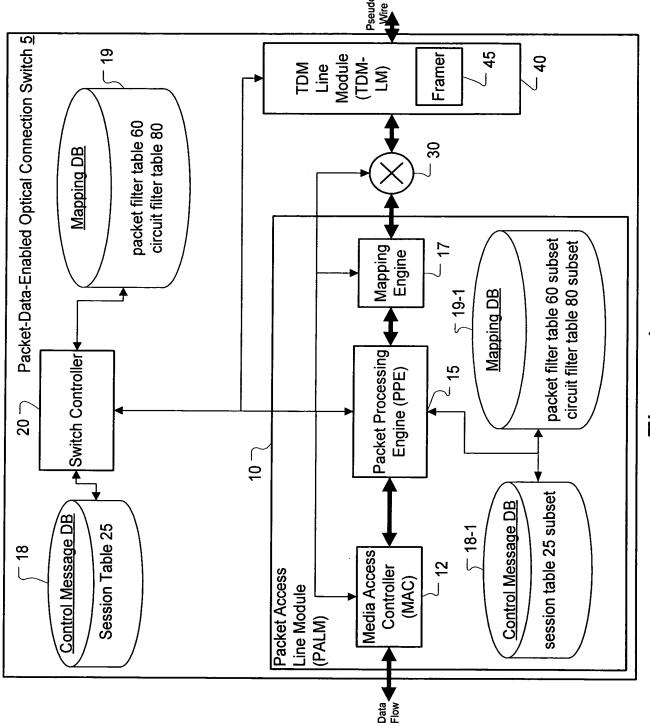
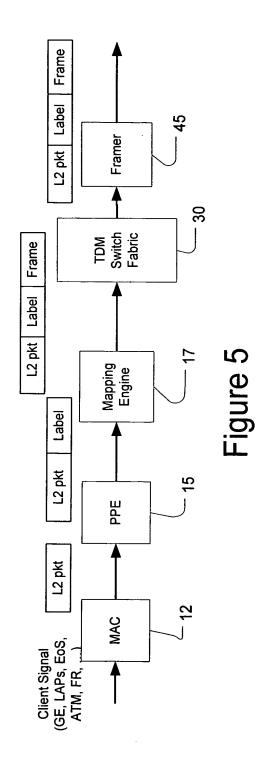


Figure 4



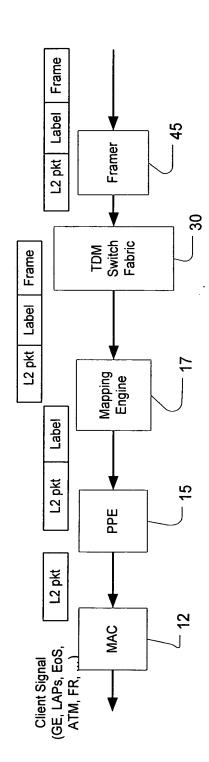
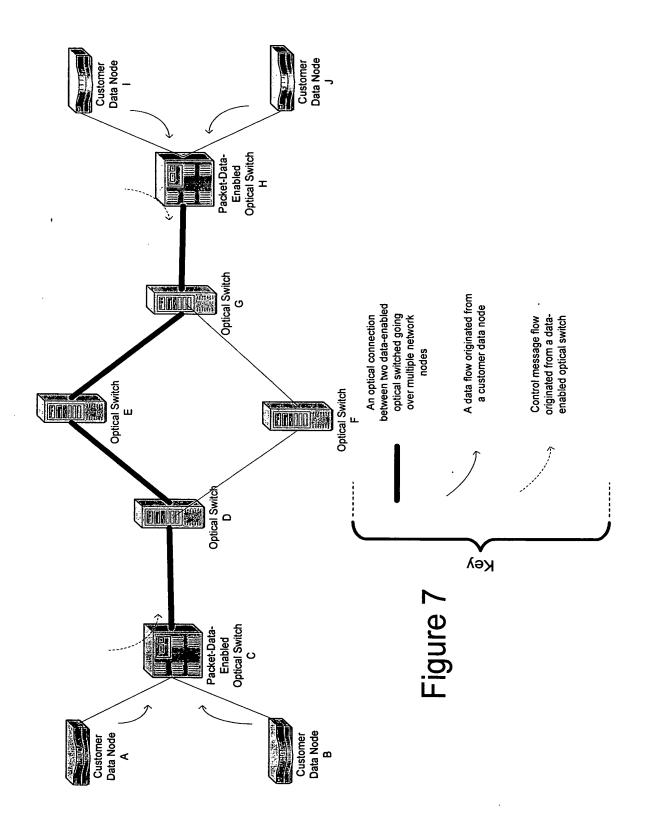
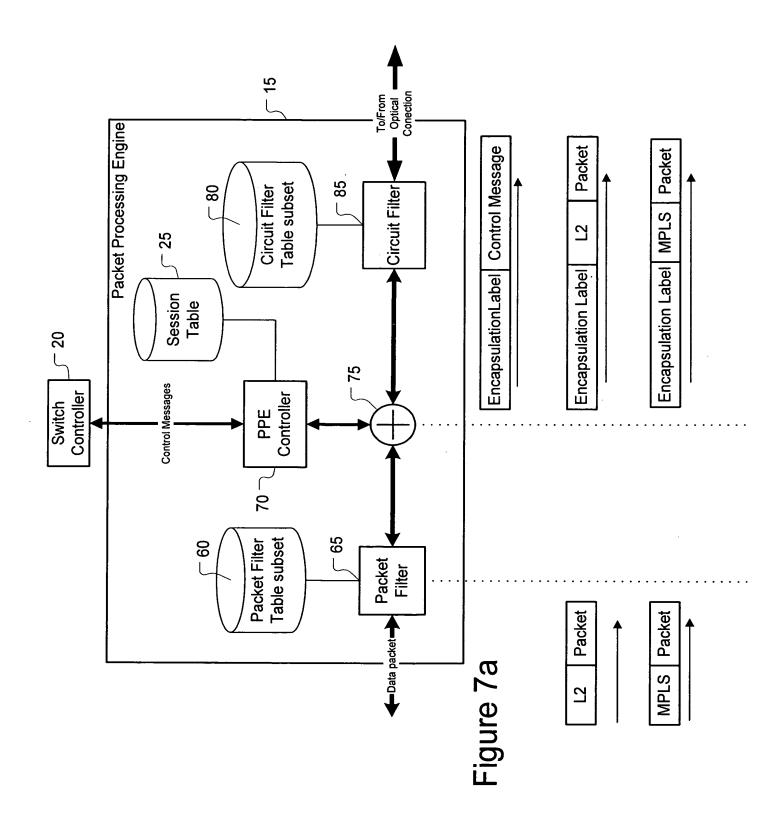


Figure 6





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	PACK	PACKET FILTER TABLE		
PACKET FILTER (DATA INTERFACE, LABEL)	OUTGOING OPTICAL CONNECTION	ENCAPSULATION LABEL	FILTER PRIORITY	GUARANTEED QOS
PACKET FILTER-1 (PORT 1, ETHERNET VLAN 100)	SONET VCG NUMBER 3	MPLS LABEL 10000	3	×
PACKET FILTER-2 (PORT 5, ATM VCI/VPI 12/45)	SONET VCG NUMBER 3	MPLS LABEL 20000	3	>-
PACKET FILTER-3 (PORT 2, FR DLCI 900)	OPTICAL INTERFACE 1	MPLS LABEL 500	3	Z
PACKET FILTER-4 (PORT 1, MPLS LABEL 10000)	SONET VCG NUMBER 5	MPLS LABEL 10001	1	S

# Figure 7b

		- 80		
	CIRCUIT FILTER TABLE	TABLE		
CIRCUIT FILTER OPTICAL CONNECTION, LABEL)	OUTGOING DATA INTERFACE	OVERWRITTEN LABEL	GUARANTEED QOS	•
CIRCUIT FILTER-1 (SONET VCG 3, LABEL 20000)	DATA PORT 1	ETHERNET VLAN 200	×	
CIRCUIT FILTER-2 (SONET VCG 3, LABEL 20001)	DATA PORT 2	ATM VCI/VPI 23/56	>-	
CIRCUIT FILTER-3 (OPTICAL INTERFACE 1, LABEL 300)	DATA PORT 1	NONE	7	
CIRCUIT FILTER-4 (SONET VCG 5, LABEL 12000)	DATA PORT 23	FRAME RELAY DLCI 200	w	
CIRCUIT FILTER-5 (SONET VCG 3, LABEL 3)	HOST INTERFACE	NONE	<b>-</b>	

Figure 7c

2	37	-
$\int$ 25	SESSION TABLE	INDITED ONICOTING

	SESSION TABLE	il E	
SESSION (CONTROL MESSAGE ID)	OUTGOING OPTICAL CONNECTION	ENCAPSULATION LABEL	GUARANTEED QOS
SESSION 1 (TCP SRC PORT 1345)	SONET VCG NUMBER 3	MPLS LABEL 3	×
SESSION 2 (TCP SRC PORT 3456)	SONET VCG NUMBER 3	MPLS LABEL 3	<b>,</b>
SESSION 3 (UDP PORT 1998)	OPTICAL INTERFACE 1	MPLS LABEL 10000	2

## Figure 7d

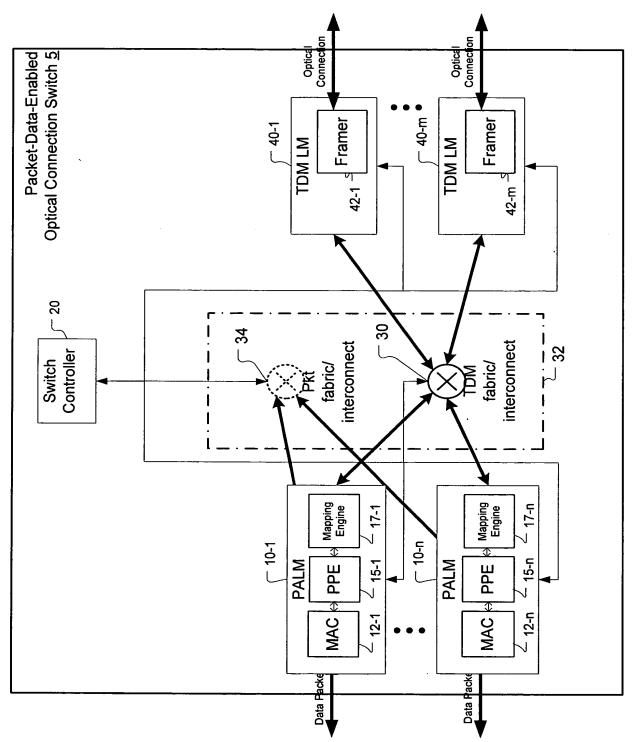


Figure 8

Figure 9

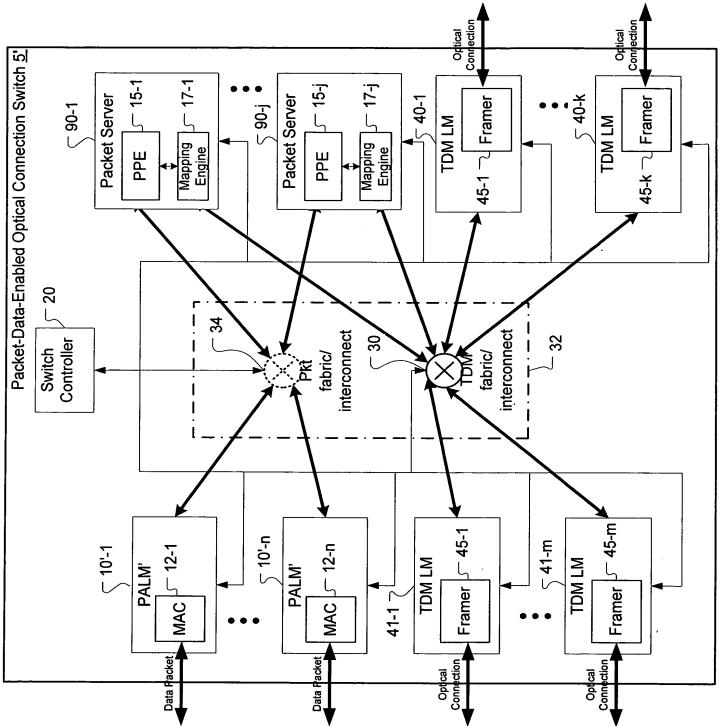


Figure 10

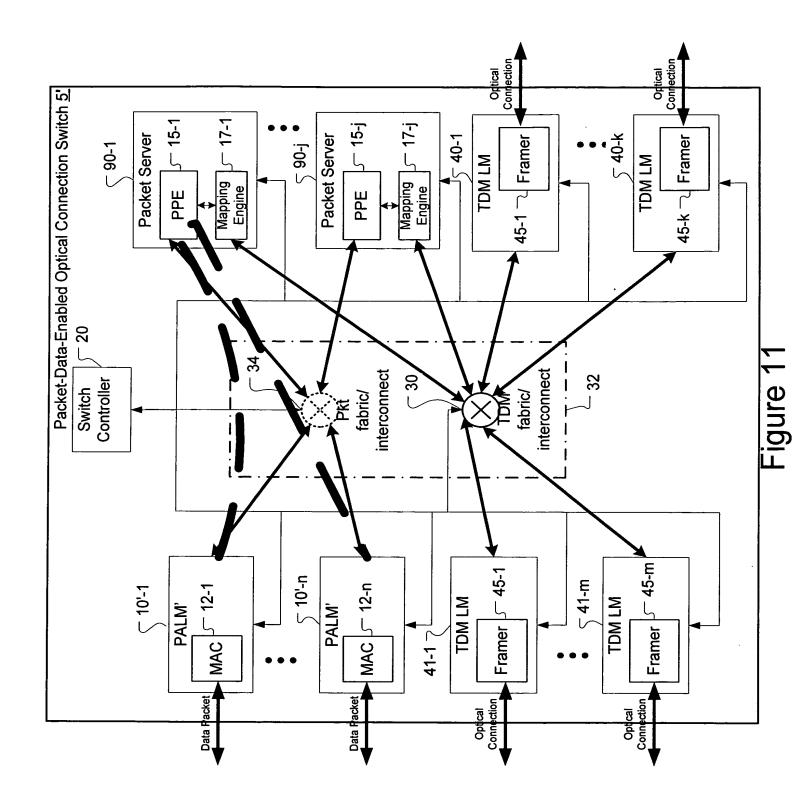


Figure 12

Figure 13

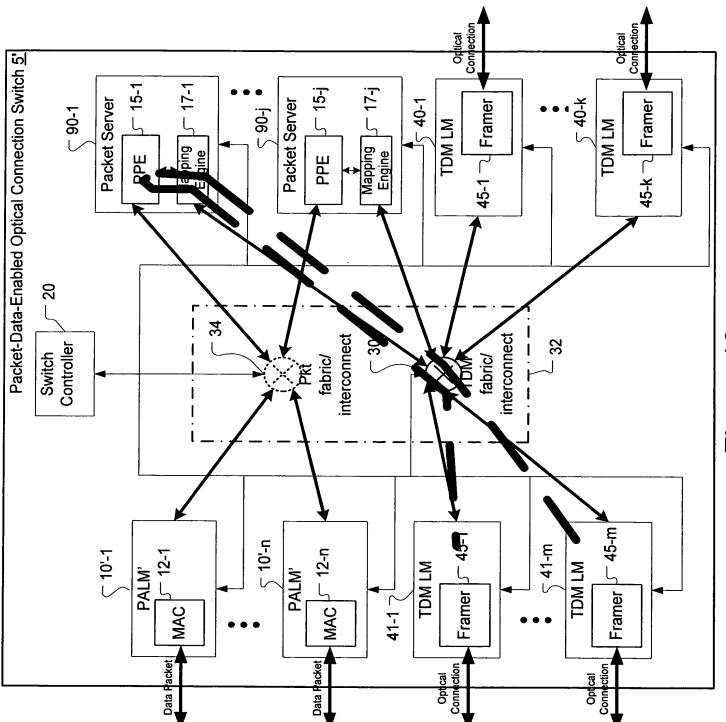


Figure 13a

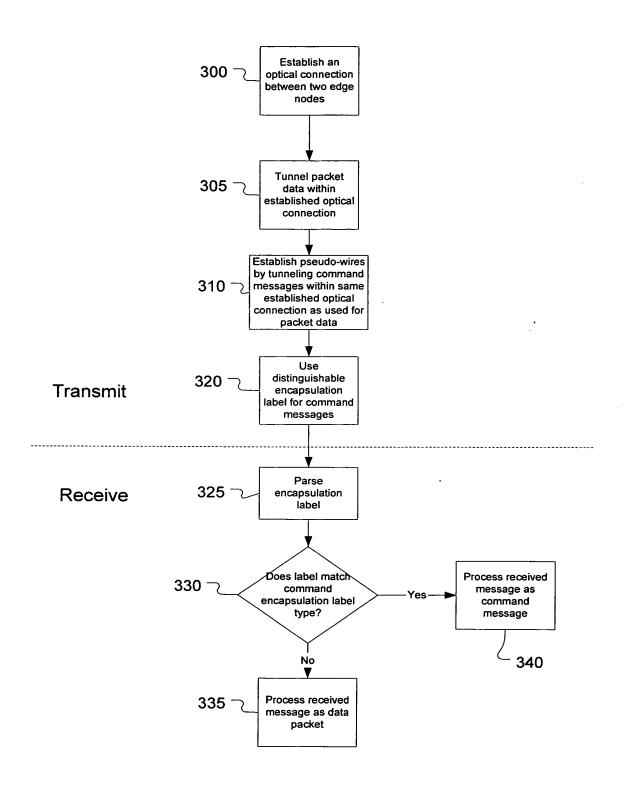


Figure 14

Figure 15a

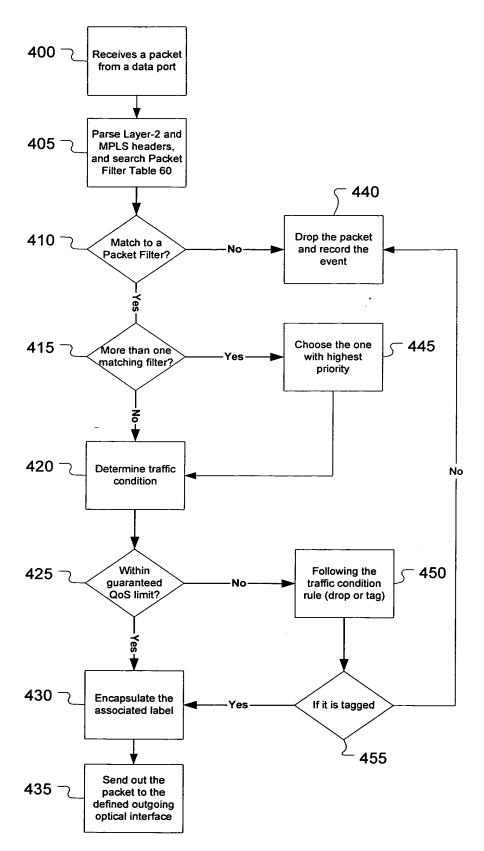
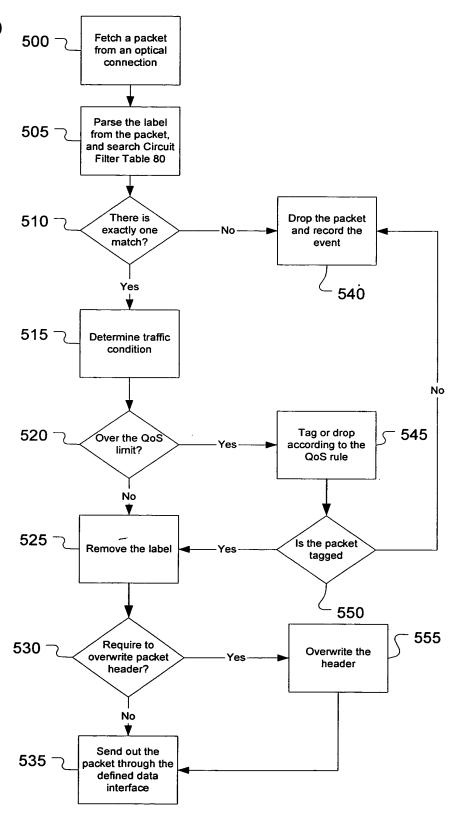
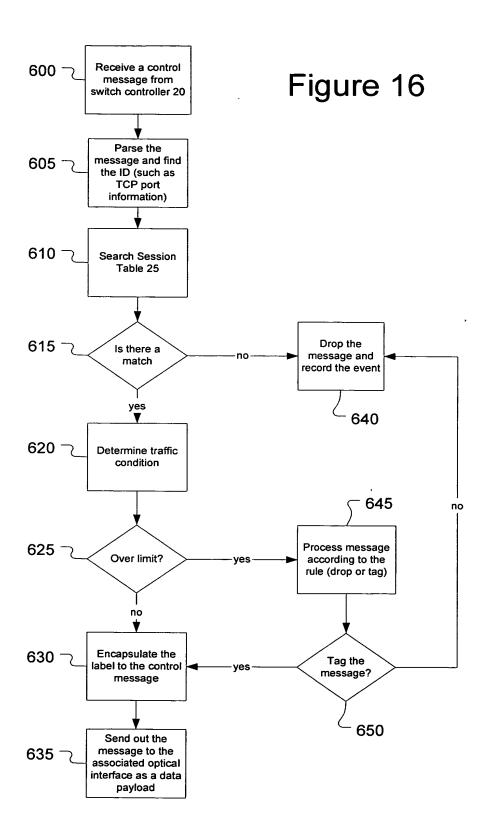


Figure 15b





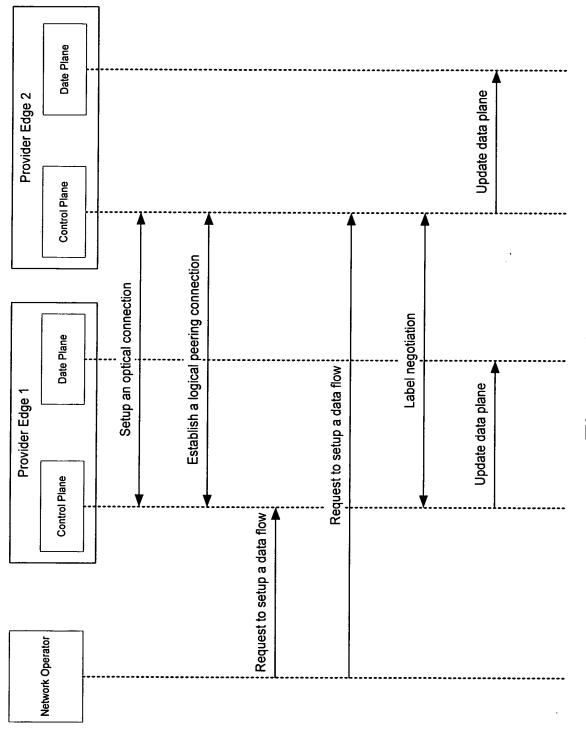
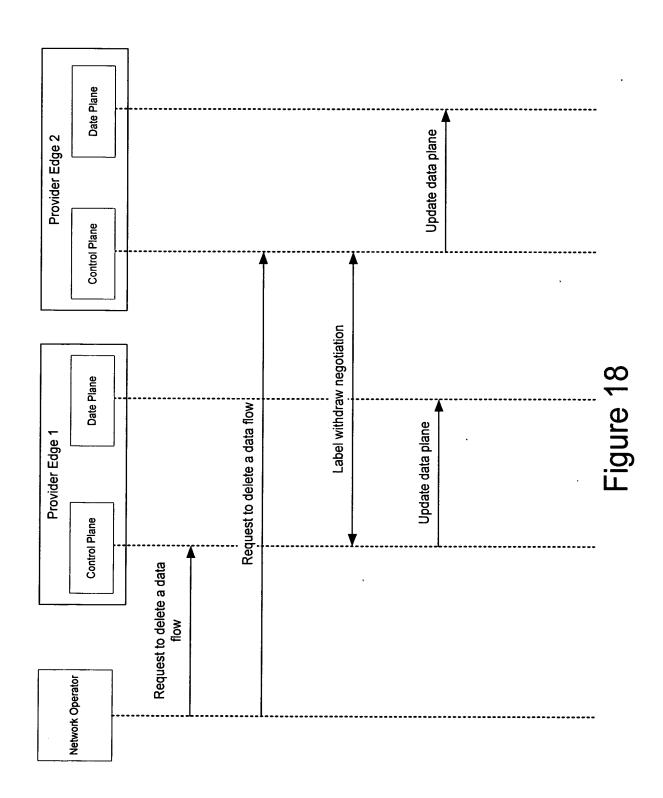
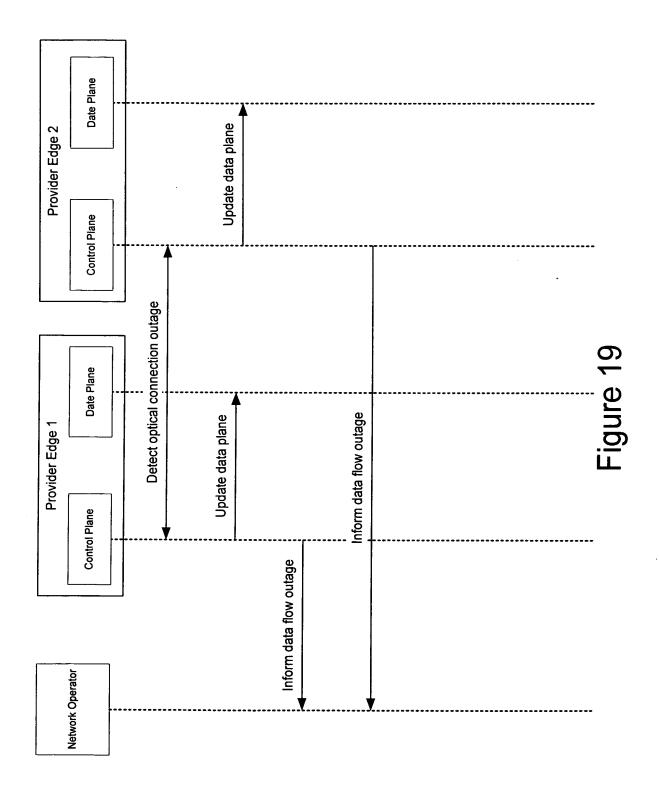


Figure 17





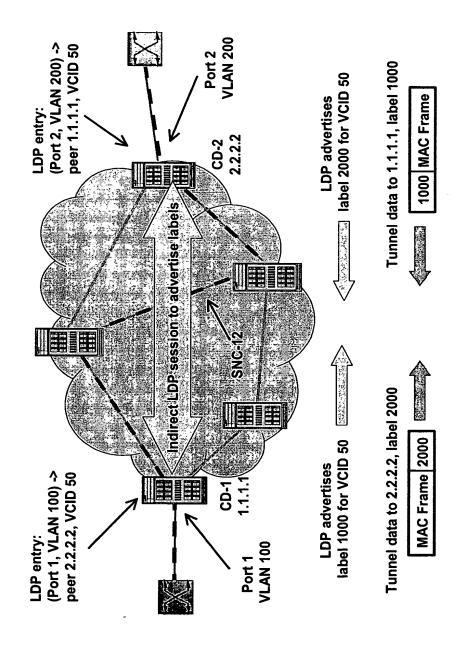
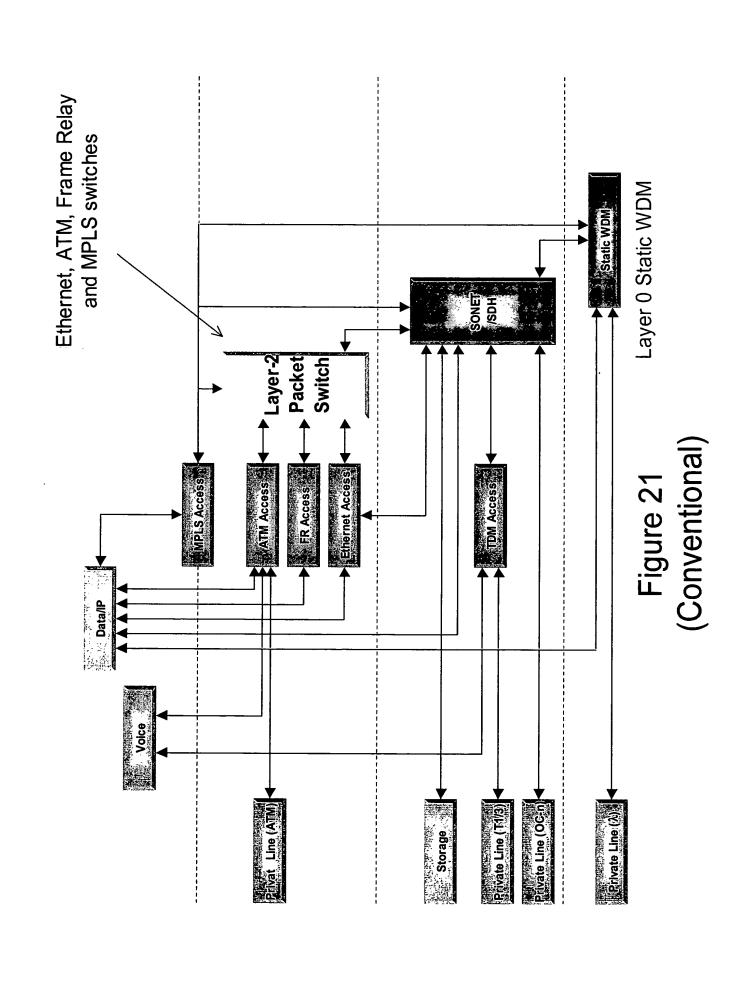
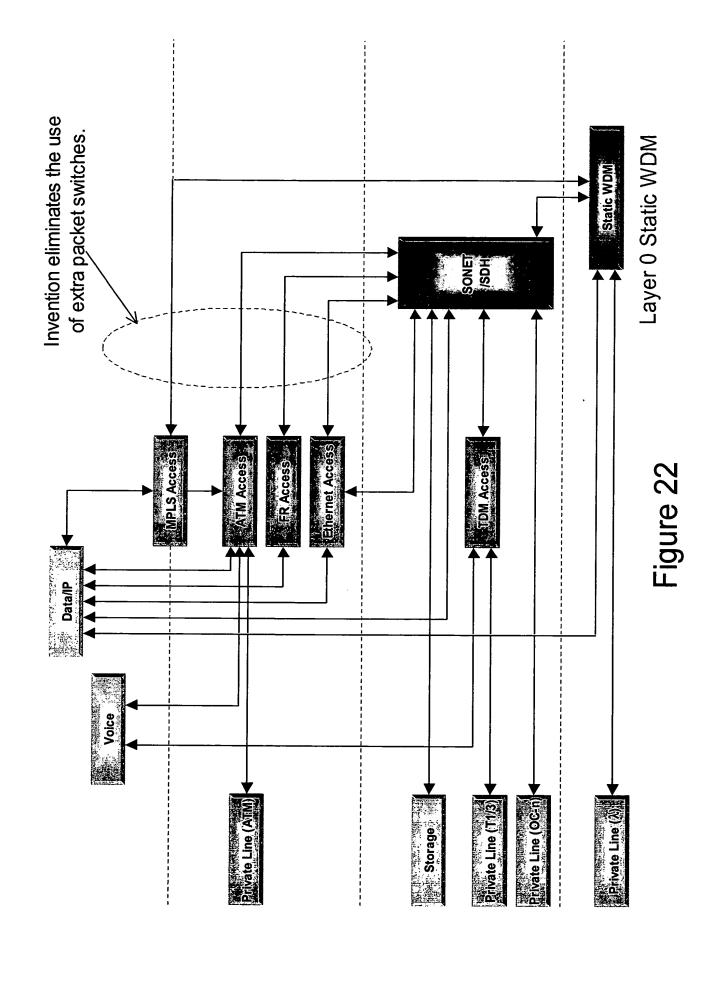
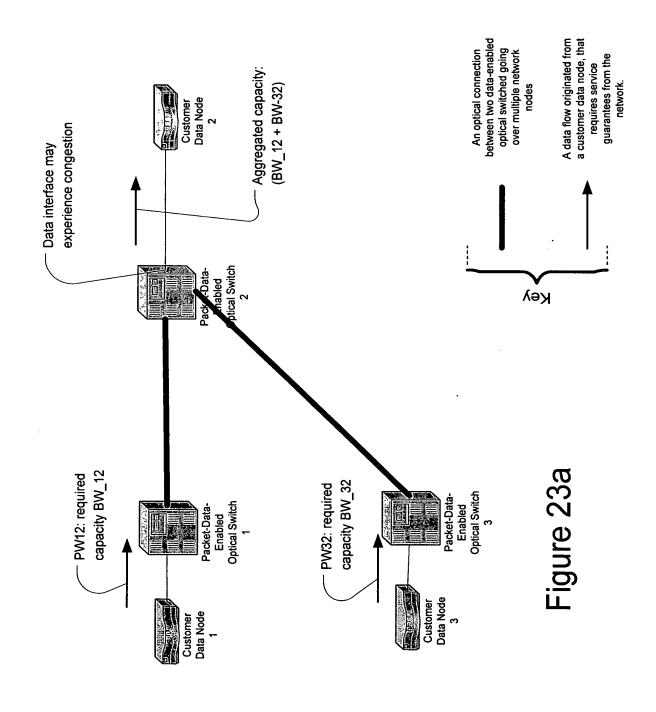
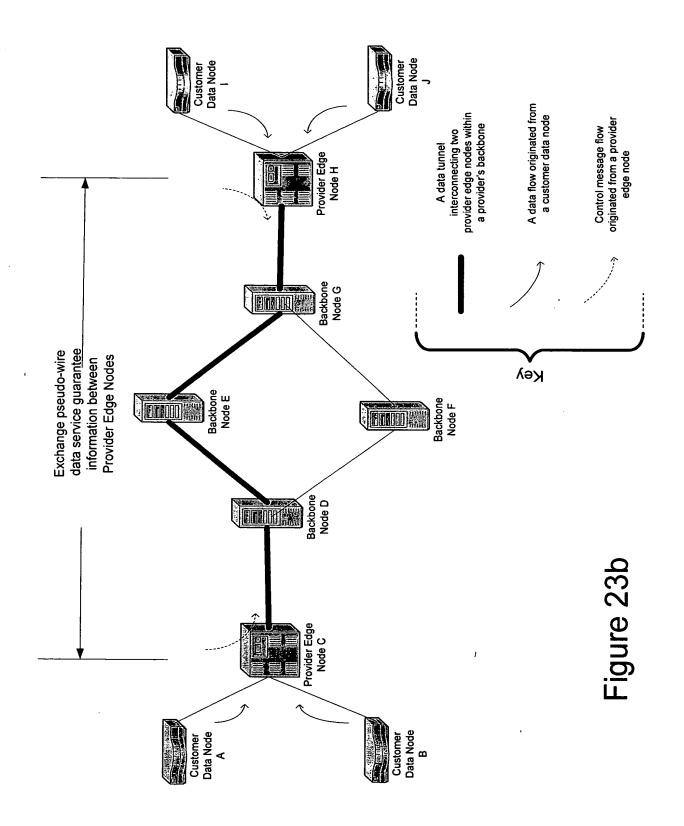


Figure 20









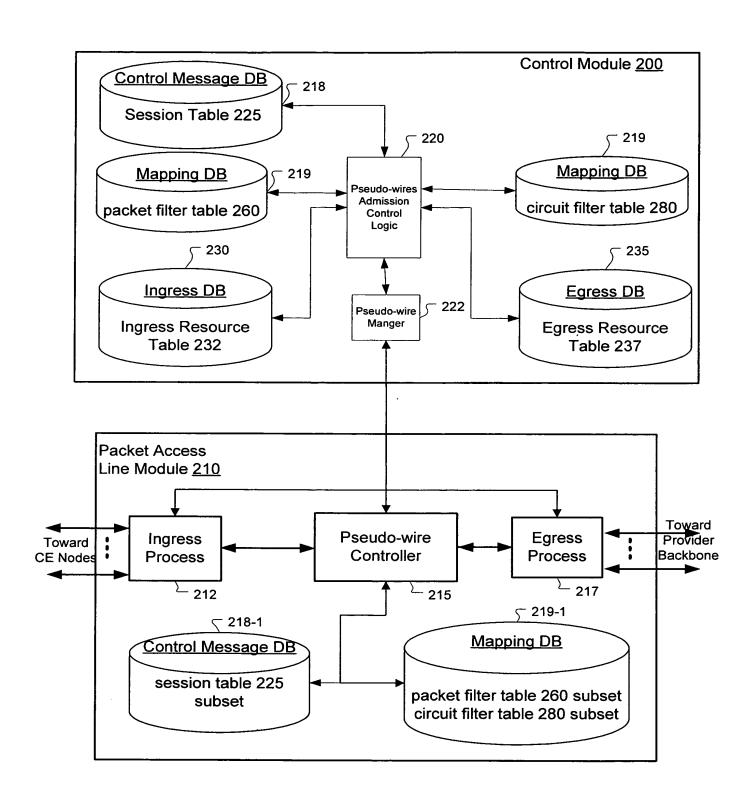


Figure 24

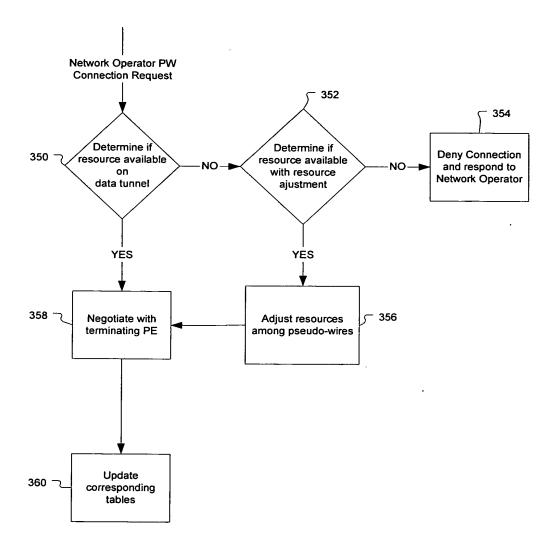


Figure 25a

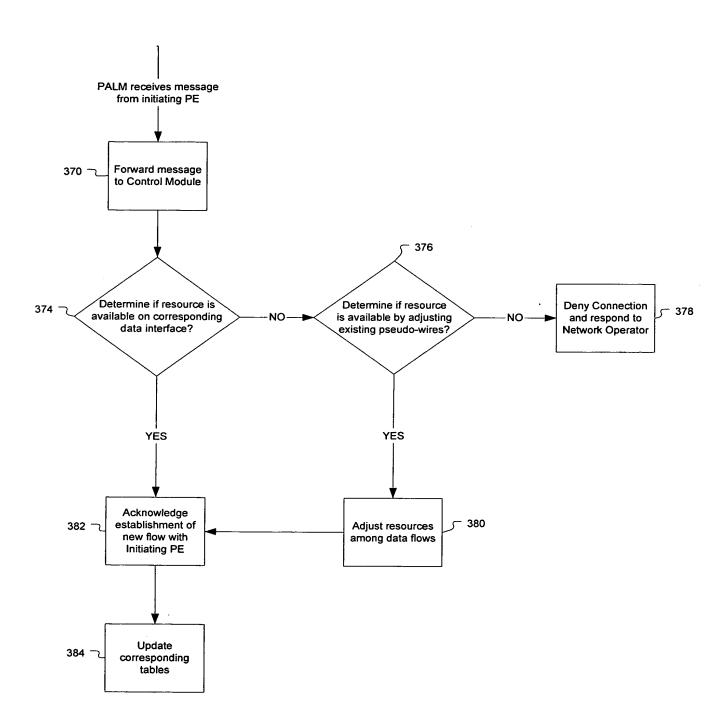


Figure 25b

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_						
		SETUP PRIORITY HOLDING PRIORITY	5	ç	ç	3
		SETUP PRIORITY	3	3	3	5
		CLASS	AF-1	Ŧ	AF-1	AF-3
	PACKET FILTER TABLE	CIR	50 Mb/Sec	8 Mb/Sec	10 Mb/Sec	1 Gb/Sec
005		ENCAPSULATION LABEL	MPLS LABEL 10000	MPLS LABEL 20000	MPLS LABEL 500	MPLS LABEL 50001
		DATA TUNNEL	SONET VCG NUMBER 3	ROUTER INTERFACE 5	SONET VCG NUMBER 3	ETHERNET INTERFACE 12
		PACKET FILTER (DATA INTERFACE, LABEL)	PACKET FILTER-1 (PORT 1, ETHERNET VLAN 100)	PACKET FILTER-2 (PORT 5, ATM VCI/VPI 12/45)	PACKET FILTER-3 (PORT 2, FR DLCI 900)	PACKET FILTER-4 (PORT 10)

## Figure 26

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	CIRCUIT	CIRCUIT FILTER TABLE	     <u> </u>		
CIRCUIT FILTER (DATA TUNNEL, LABEL)	OUTGOING DATA INTERFACE	CIR	CLASS	SETUP PRIORITY	SETUP PRIORITY HOLDING PRIORITY
CIRCUIT FILTER-1 (SONET VCG 3, LABEL 20000)	DATA PORT 1	50 Mb/Sec	AF-1	3	က
CIRCUIT FILTER-2 (SONET VCG 3, LABEL 20001)	DATA PORT 2	8 Mb/Sec	Ŧ	3	
CIRCUIT FILTER-3 (OPTICAL INTERFACE 1, LABEL 300)	DATA PORT 10	10 Gb/Sec	AF-3	e	က
CIRCUIT FILTER-4 (SONET VCG 5, LABEL 12000)	DATA PORT 1	100 Mb/Sec	AF-1	-	1
CIRCUIT FILTER-5 (SONET VCG 3, LABEL 3)	DATA PORT 2	1 Gb/Sec	AF-1	ß	ro.

# Figure 27

CLASS 出 出 出 2 Mb/Sec 1 Mb/Sec 읎 ΑŽ **ENCAPSULATION LABEL** MPLS LABEL 10000 MPLS LABEL 3 MPLS LABEL 3 SESSION TABLE OPTICAL INTERFACE 1 SONET VCG NUMBER 3 OUTGOING DATA TUNNEL MPLS LSP 8 SESSION (CONTROL MESSAGE ID) SESSION 1 (TCP SRC PORT 1345) SESSION 2 (TCP SRC PORT 3456) SESSION 3 (TCP SRC PORT 1998)

ر 225

Figure 28

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		INGRESS RES	INGRESS RESOURCE TABLE		
DATA TUNNEL	PHYSICAL BANDWIDTH	AVAILABLE TOTAL BANDWIDTH	AVAILABLE BANDWIDTH CLASS 1	AVAILABLE BANDWIDTH AVAILABLE BANDWIDTH CLASS 1 CLASS CLASS	AVAILABLE BANDWIDTH CLASS N
MPLS LSP with label 45	80 Mb/Sec	70 Mb/Sec	20 Mb/sec		30 Mb/sec
SONET VCG 4	100 Mb/Sec	50 Mb/Sec	50 Mb/Sec	::	0
DEDICATED POS CONNECTION	45 Mb/Sec	12 Mb/Sec	1.5 Mb/src	:	3.0 Mb/src

### Figure 29a

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		AVAILABLE BANDWIDTH CLASS N	30 Mb/sec	0	3.0 Mb/src
		AVAILABLE BANDWIDTH CLASS	··	ï	
7	EGRESS RESOURCE TABLE	AVAILABLE BANDWIDTH CLASS 1	20 Mb/sec	50 Mb/Sec	1.5 Mb/src
	EGRESS RES(	AVAILABLE TOTAL BANDWIDTH	70 Mb/Sec	50 Mb/Sec	12 Mb/Sec
		PHYSICAL BANDWIDTH	150 Mb/Sec	100 Mb/Sec	45 Mb/Sec
		DATA INTERFACE	ATM Interface	Ethernet Interface	DS3 Interface

### Figure 29b

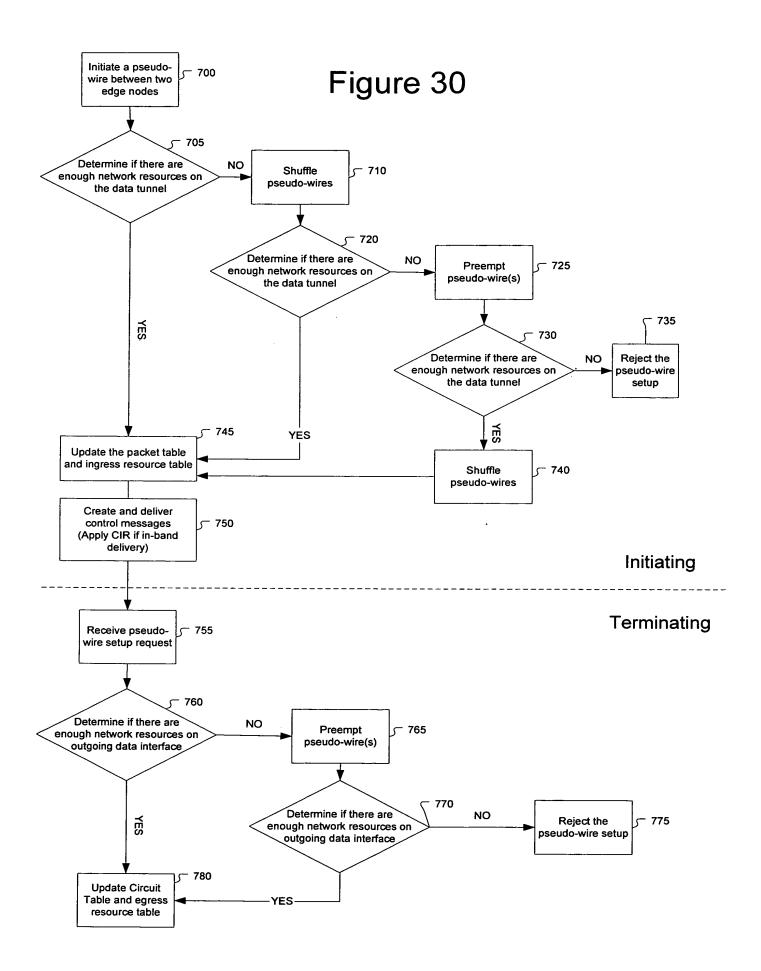


Figure 31

